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Adeno-X.NGN3

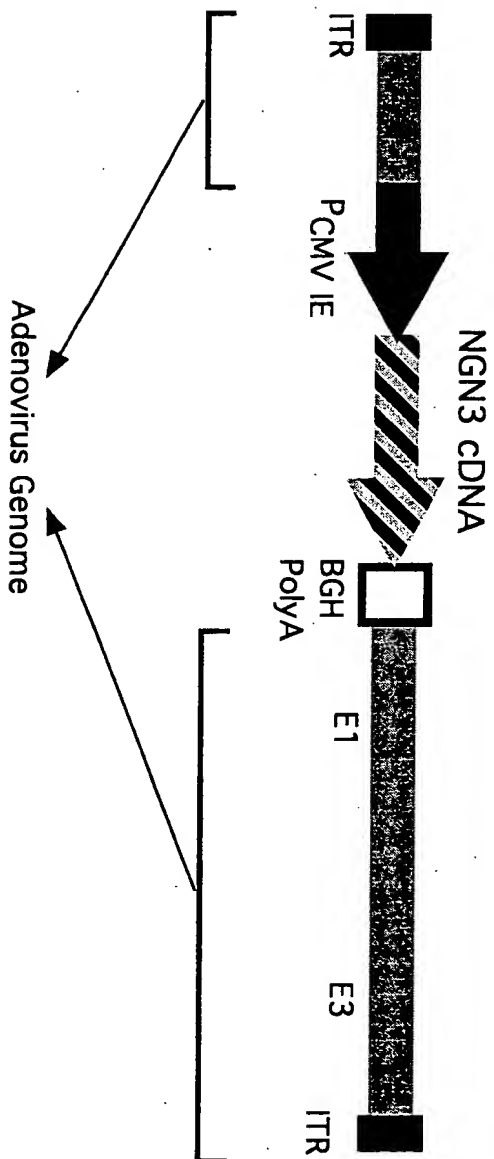


FIG. 1

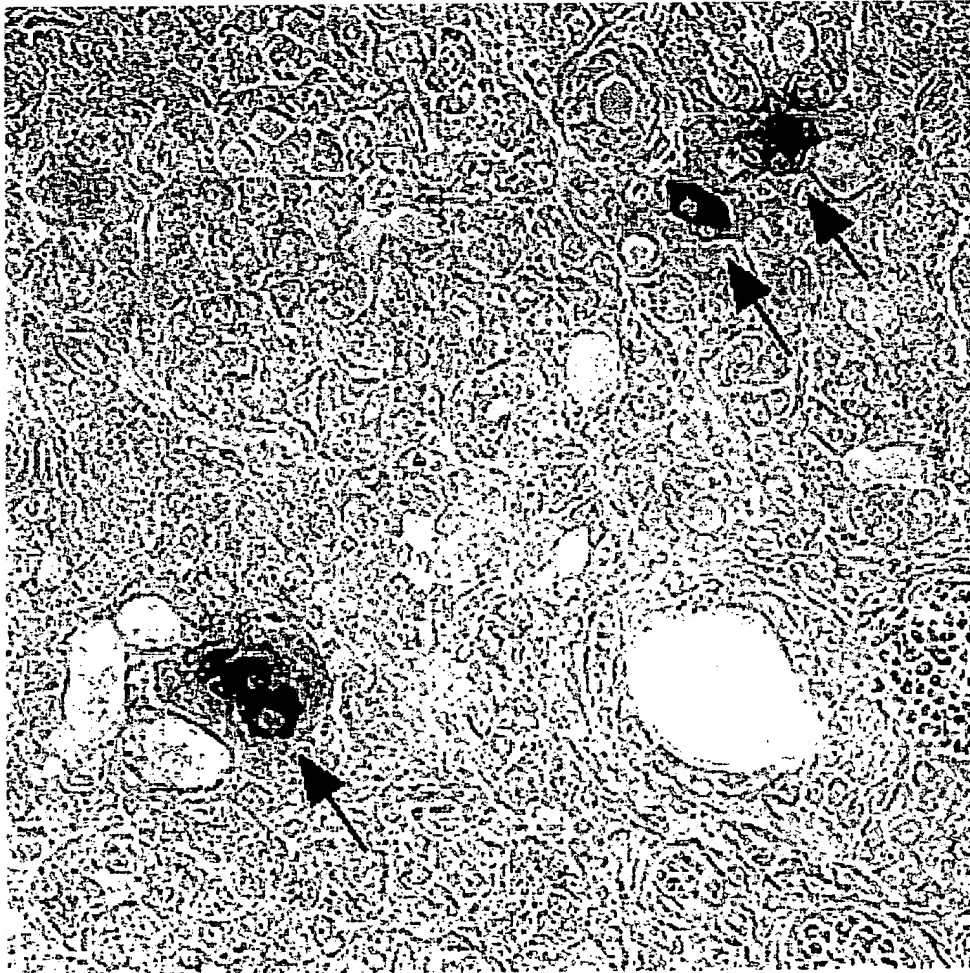


FIG. 2A

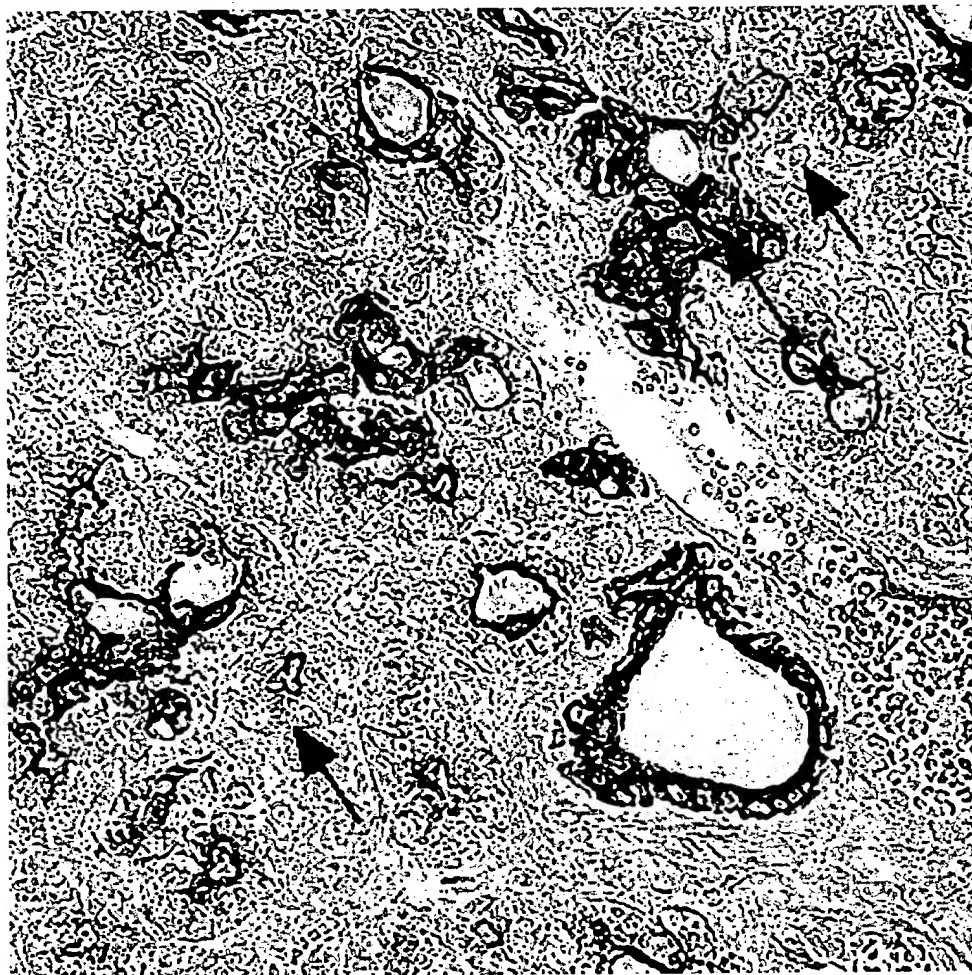


FIG. 2B

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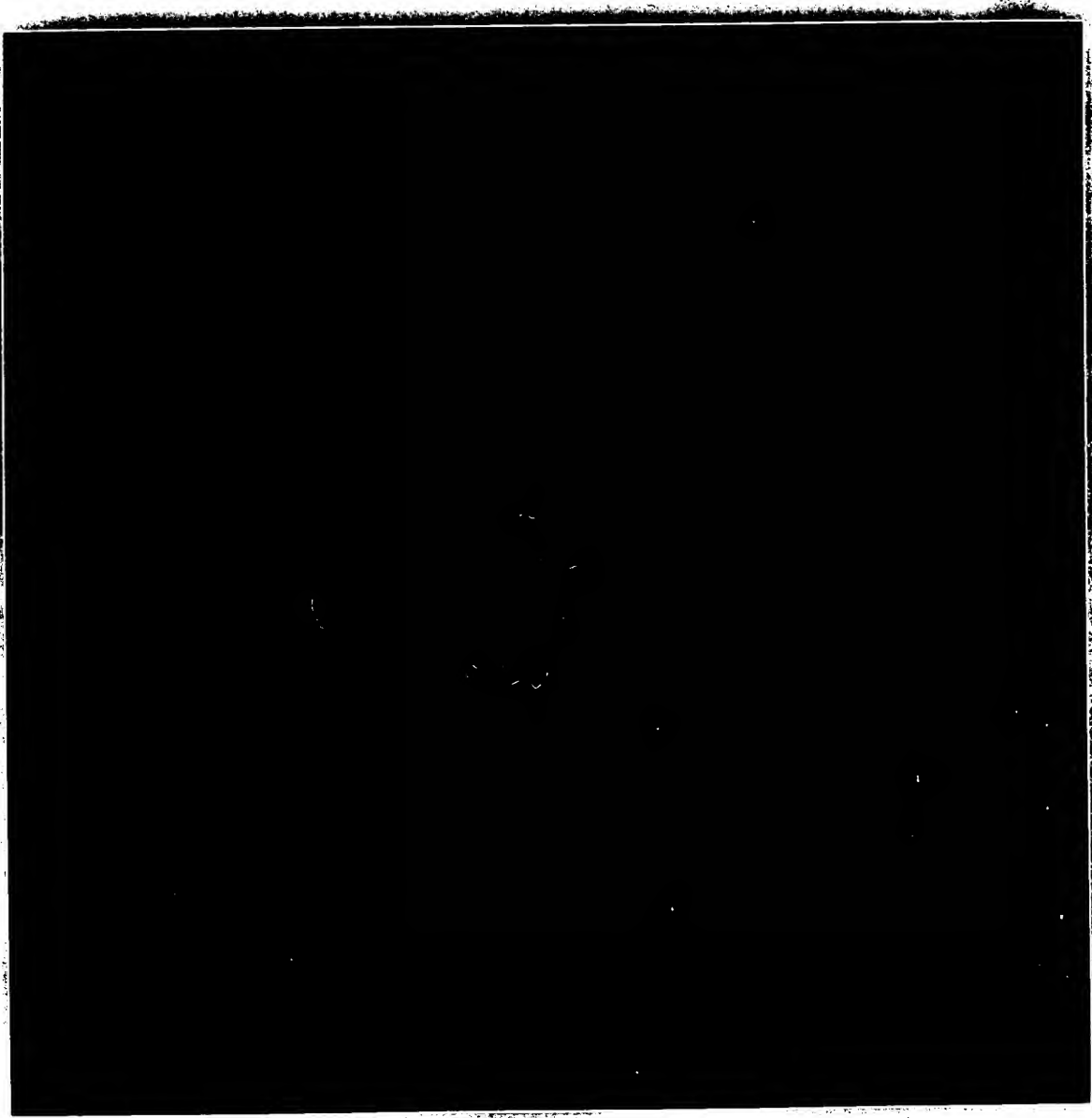


FIG. 3

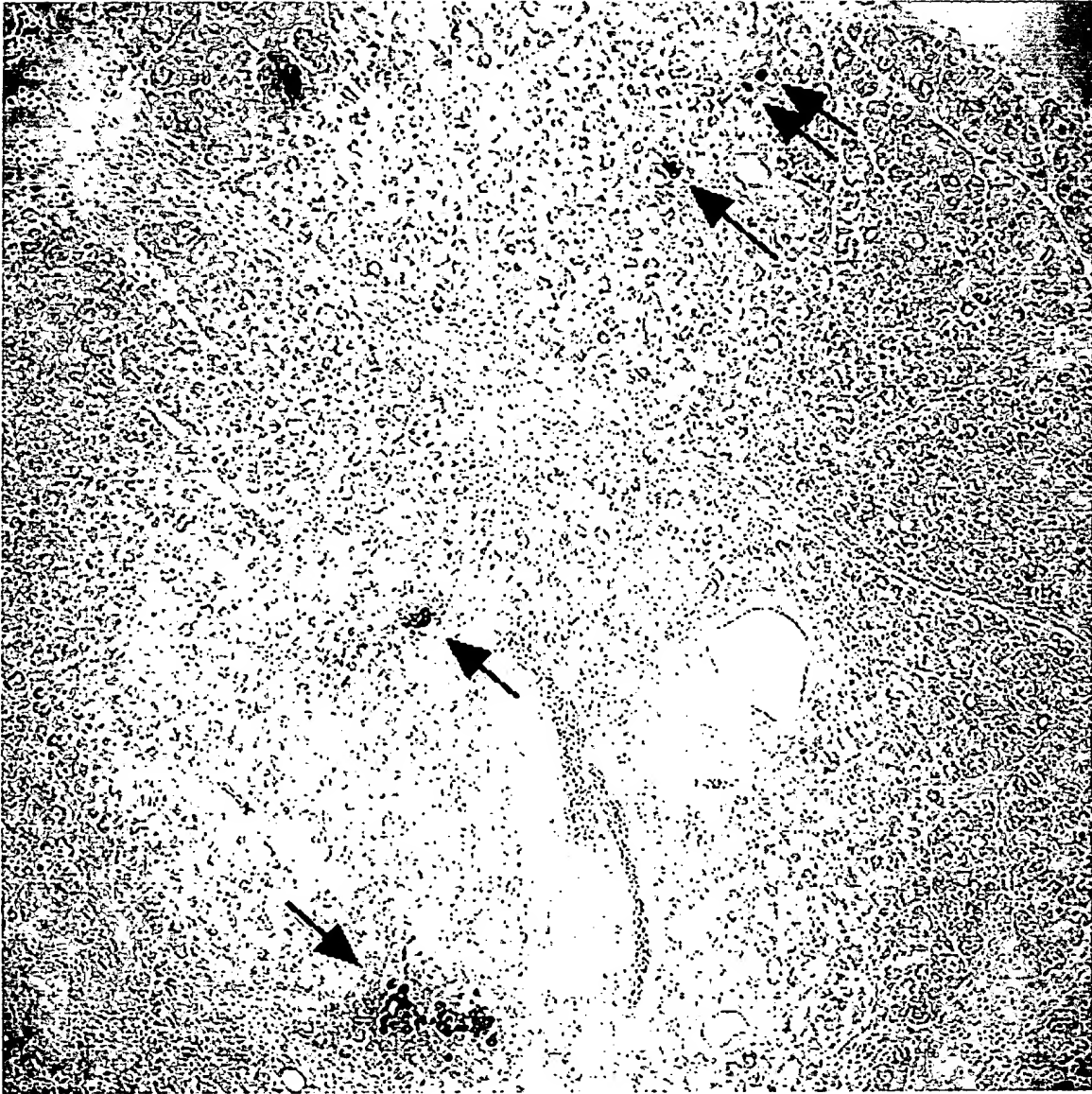


FIG. 4A

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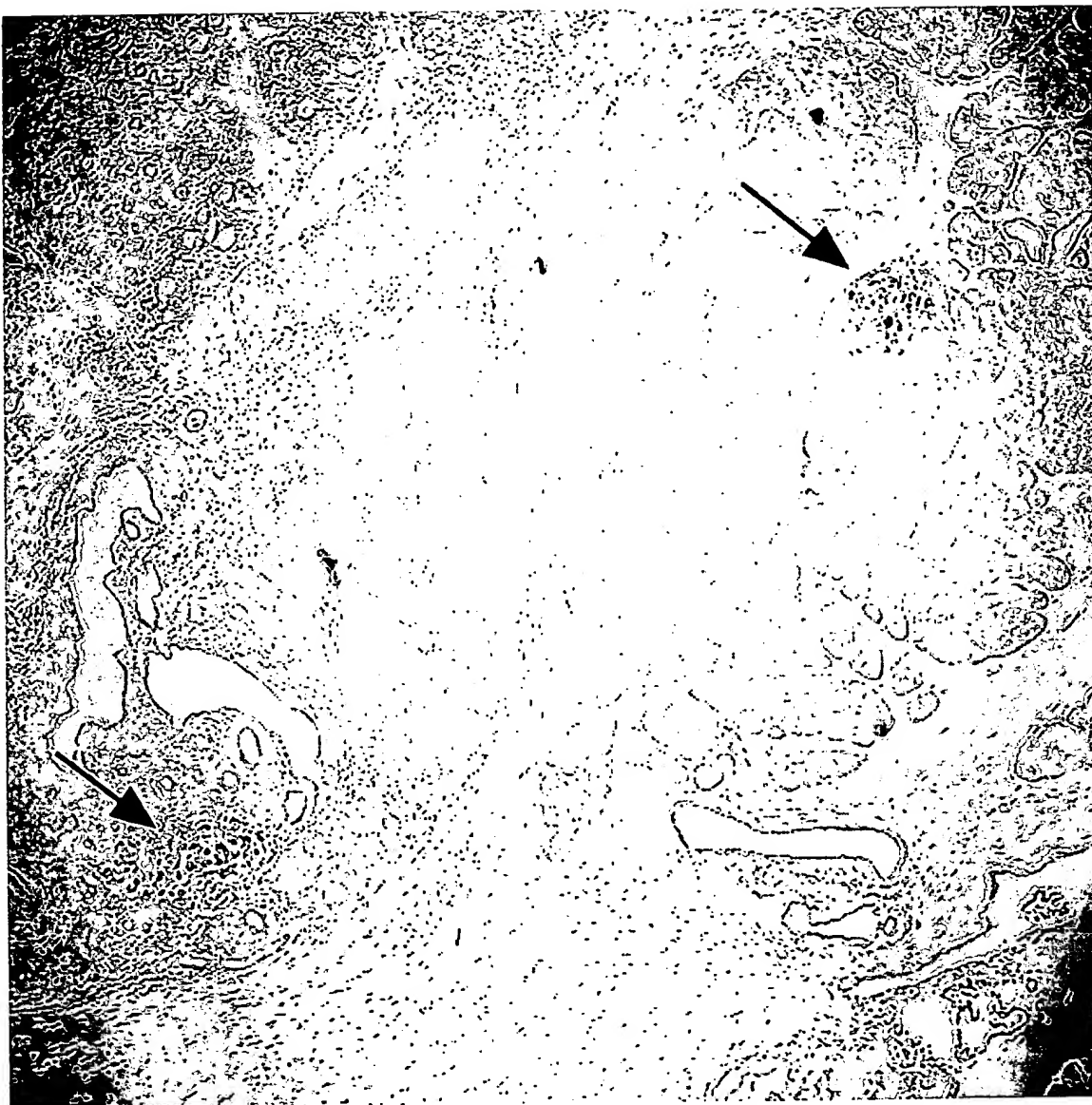


FIG. 4B

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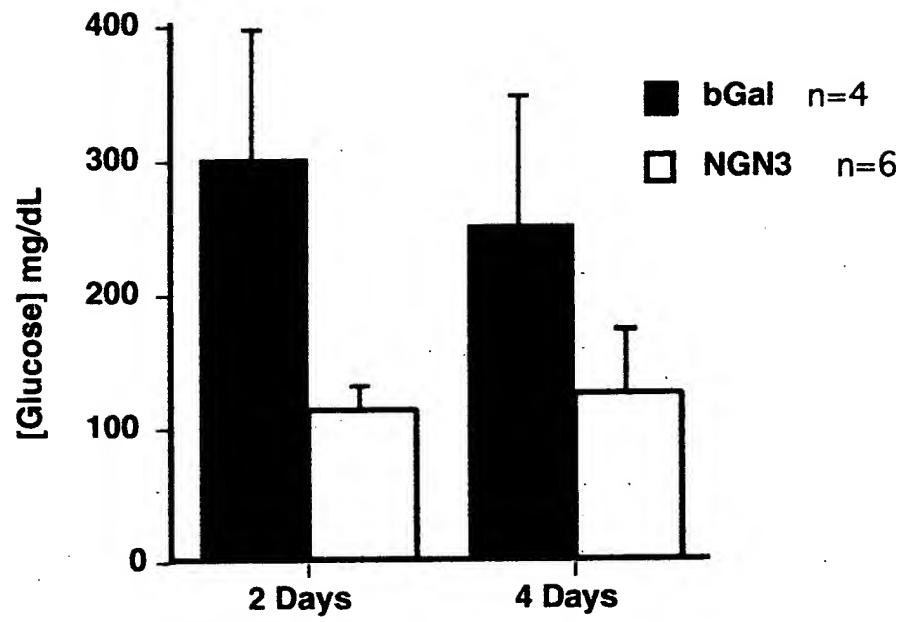


FIG. 5

FIG. 6A

WT

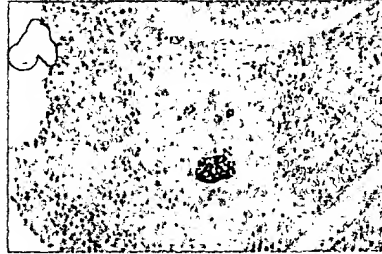


FIG. 6B

pdx1-
ngn3



FIG. 6C

pdx1-
neuroD1



FIG. 7A

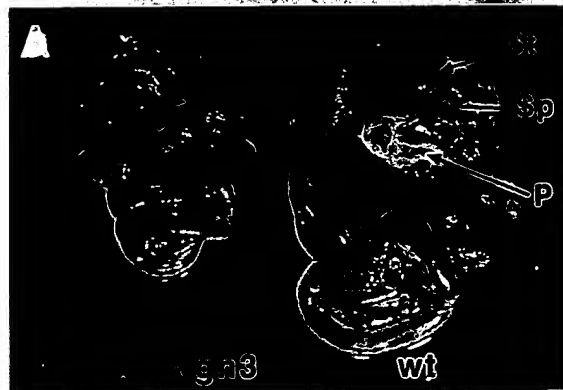
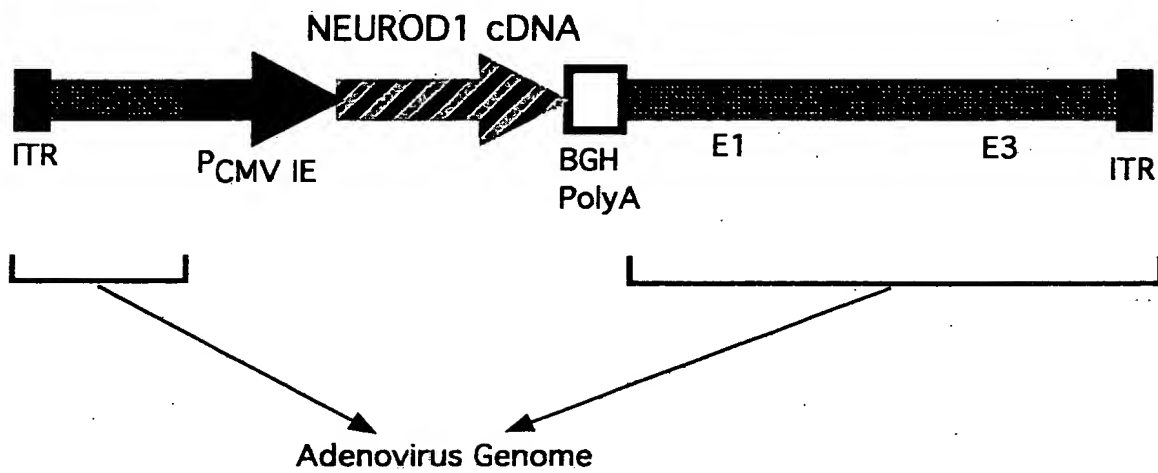


FIG. 7B



Adeno-NEUROD1



Adeno-mash1/ASCL1/ASH1

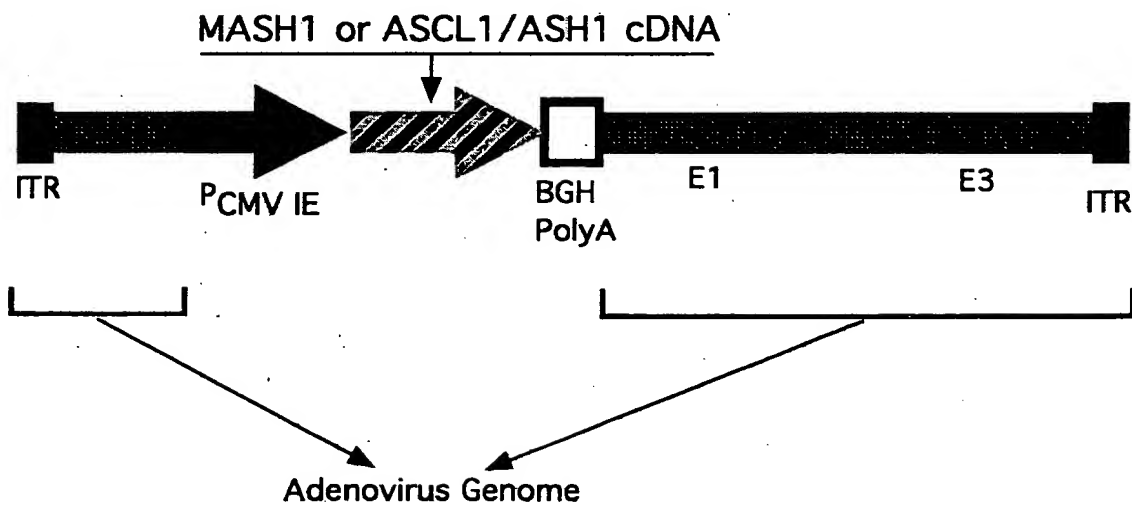


FIG. 8

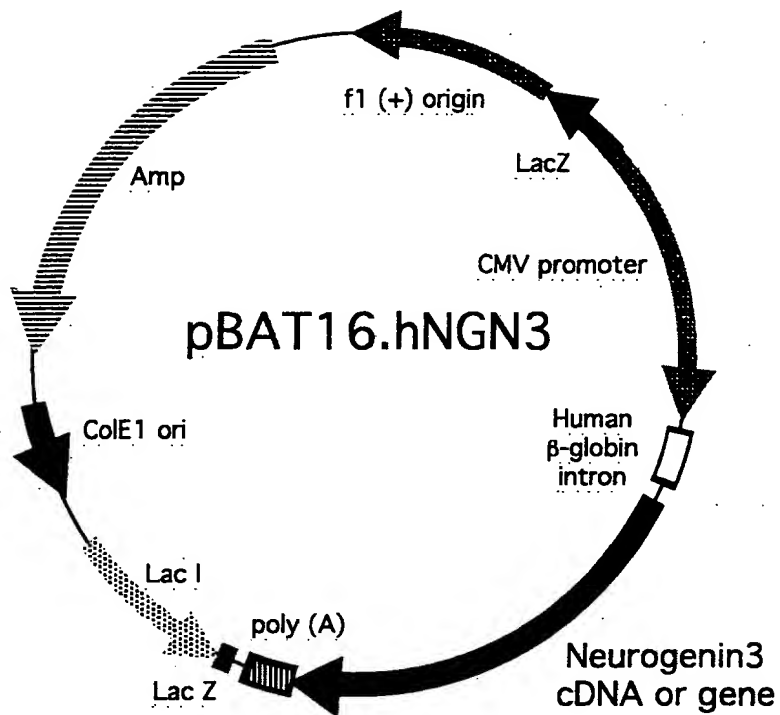


FIG. 9

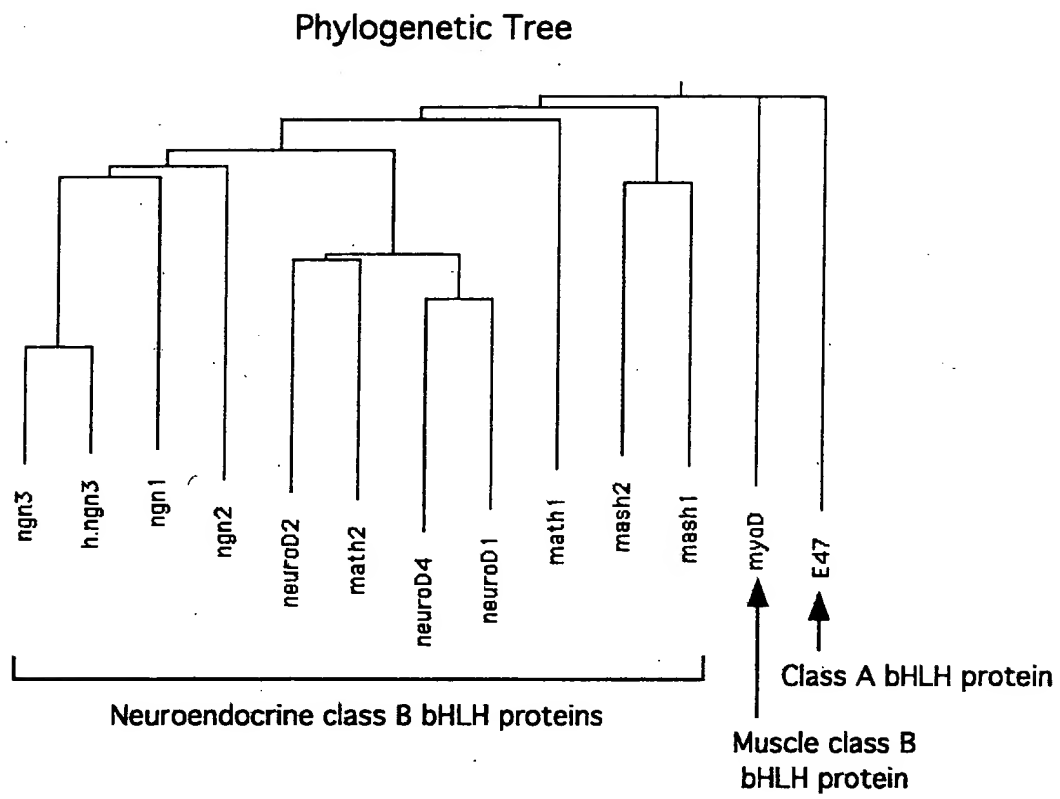


FIG. 10

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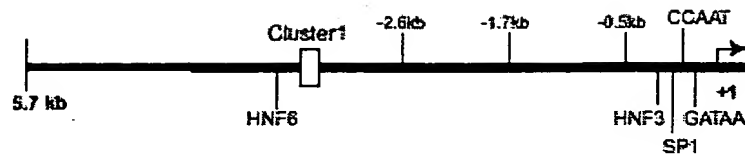


FIG. 11A

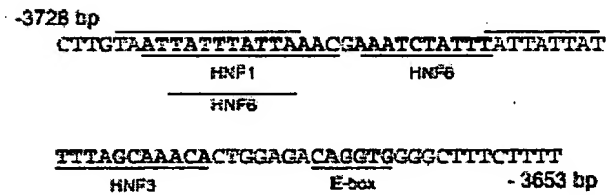


FIG. 11B

SEQ ID NO:19

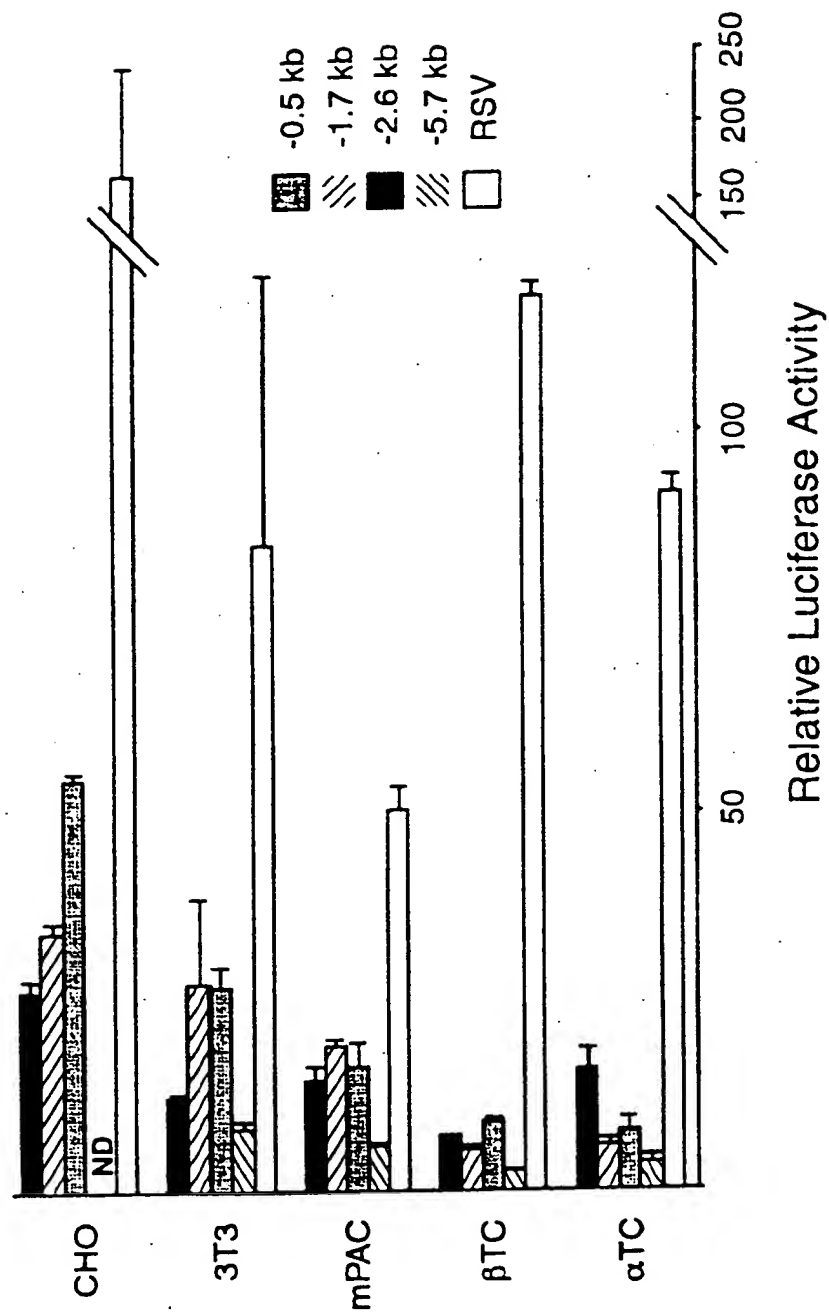


FIG. 12



5.7 kb promoter

FIG. 13A



5.7 kb promoter

FIG. 13B



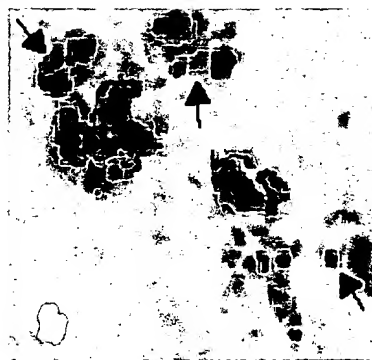
glucagon/ β Gal 2.6 kb promoter

FIG. 13C



insulin/glucagon/ β Gal

FIG. 14A



neurogenin3/ β Gal

FIG. 14B

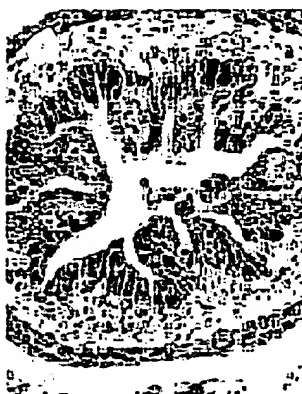


FIG. 15A

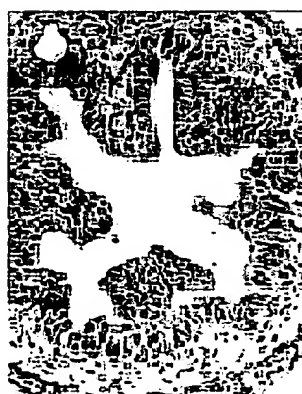


FIG. 15B



neurogenin3/ β Gal

FIG. 15C

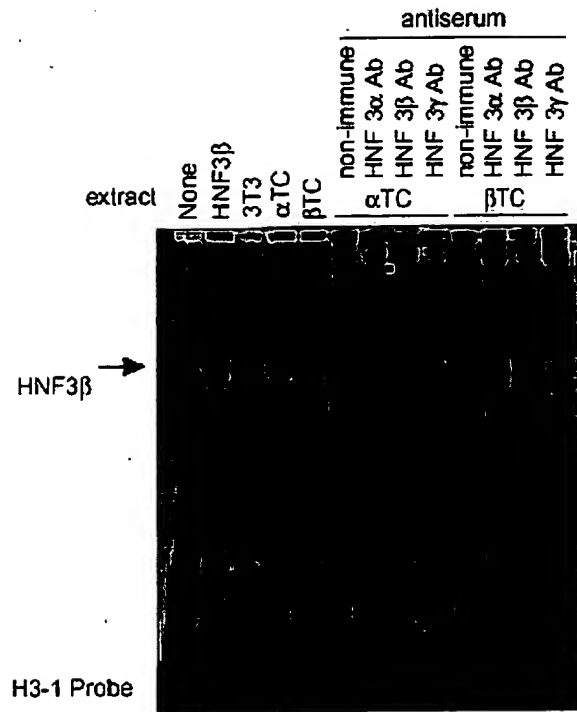


FIG. 16A

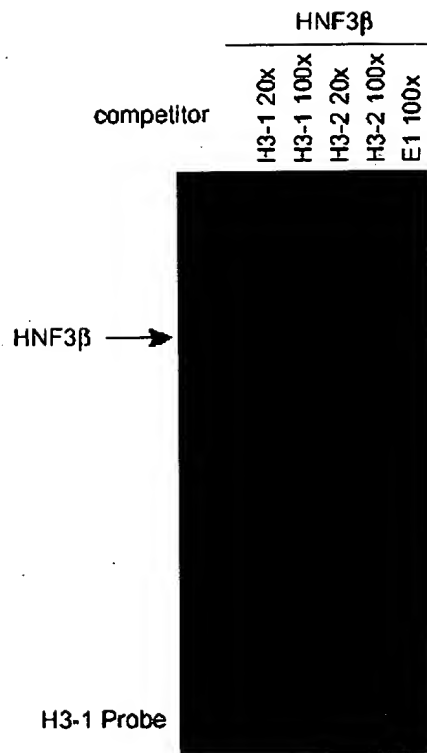


FIG. 16B

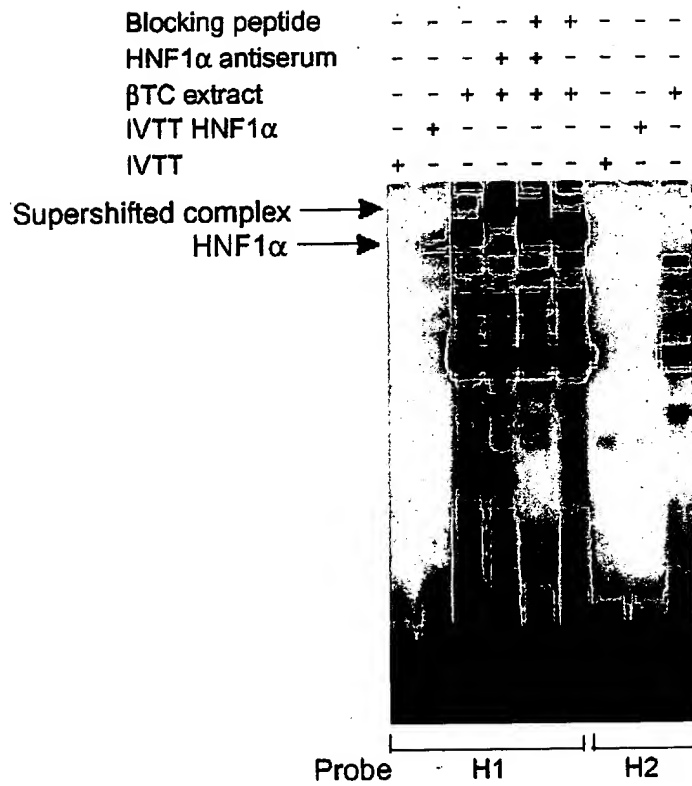


FIG. 17

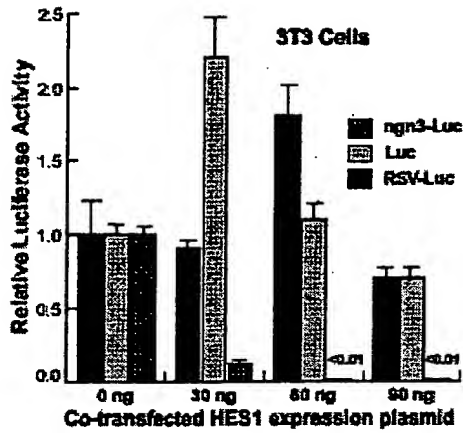


FIG. 18A

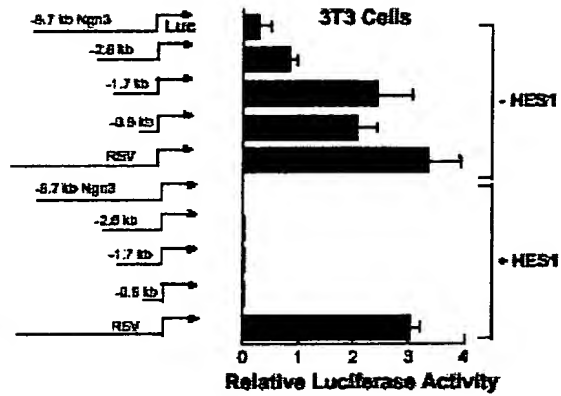


FIG. 18B



FIG. 18C

Proximal Promoter

-124 bp

CGGSGCTCGCGTGGCGCGGCCCGCAGGGCCCCGCGCTGATTGGCCGGTGGC

N1

GCGGGGAGCAGCGCGGGCAGGCGACGCTCCCTGSCCGGGCGAAGCAGATAA

N2

TATAA Box

AGCGTGCCAAAGGGGCACACGACTTGGCT

N3 N4 +1 bp

FIG. 19A

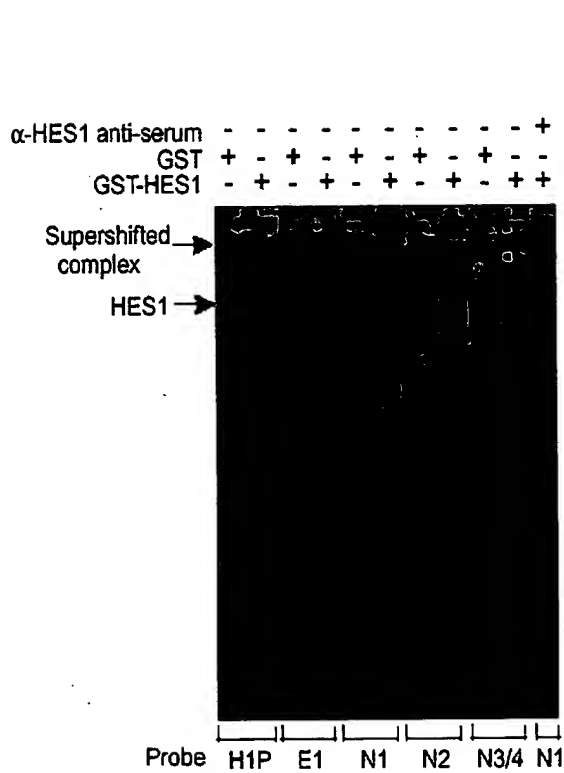


FIG. 19B

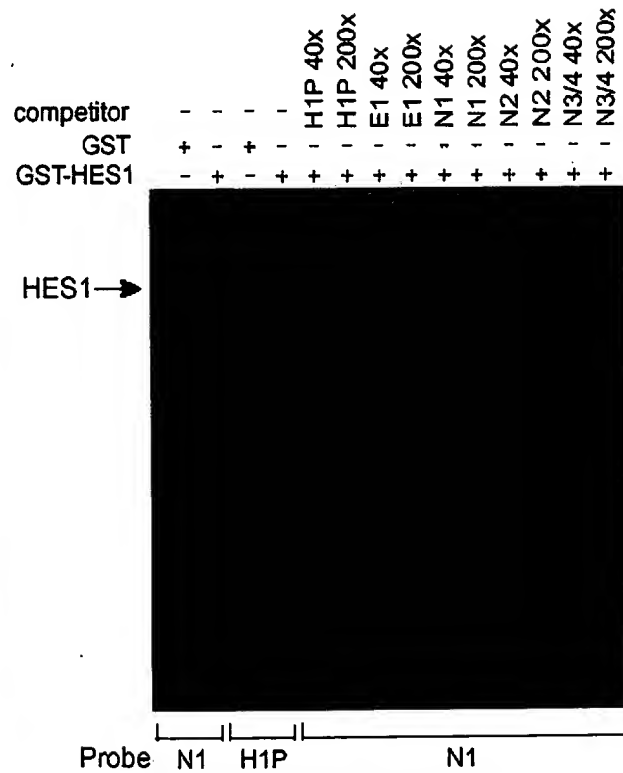


FIG. 19C